

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL LOCATED AT THE INTERSECTION OF COLESVILLE RD AND GEORGIA AVE. IN MONTGOMERY COUNTY. THE FIVE SECTION SIGNAL HEAD WILL BE RELOCATED 7 FEET FROM ITS CURRENT POSITION. REPLACING THE EXISTING SIGNAL WIRE WITH A PROPOSED 7 CONDUCTOR ELECTRICAL CABLE BACK TO THE CABINET. US 97 (GEORGIA AVE.) IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THIS INTERSECTION CURRENTLY OPERATES IN A NEMA EIGHT PHASE, FULLY ACTUATED MODE. THERE IS AN EXCLUSIVE/PERMISSIVE LEFT TURN FOR COLESVILLE RD. THE THROUGH MOVEMENTS ALONG COLESVILLE RD OPERATES CONCURRENTLY. A RIGHT TURN OVERLAP IS PROVIDED FOR NORTHBOUND GEORGIA AVE TO EASTBOUND COLESVILLE RD. THE THROUGH MOVEMENTS ALONG GEORGIA AVE. OPERATES CONCURRENTLY. ALL PEDESTRIANS MOVEMENTS ARE ON RECALL WITH AN ALTERNATE ACCESSIBLE PEDESTRIAN SIGNAL MOVEMENT FOR ALL LEGS OF THE INTERSECEION.

CONTACTS

DISTRICT (DISTRICT 3 - MONTGOMERY)

MR. BRIAN YOUNG
DISTRICT ENGINEER
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ASSISTANT DISTRICT ENGINEER - TRAFFIC
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DISTRICT UTILITY ENGINEER
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ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
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MR. VERNON STINNETT
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
301-513-7304

MONTGOMERY COUNTY DOT

MR. KAMAL HAMUD
TRAFFIC ENGINEER
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MR. ROBERT RICKETTS
SIGNAL SHOP
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OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.
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MR. MICHAEL STOCKER
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7696

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

FOR QUANTITIES SEE REVERSIBLE LANE CONTROL PLAN SHEET 8 OF 11
CONTROLLER CABINET, SIZE 5

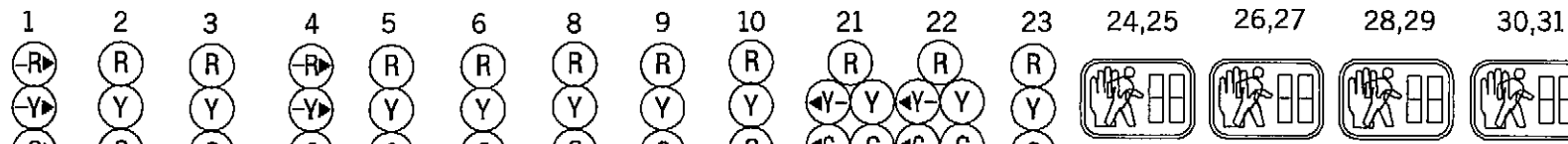
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

FOR QUANTITIES SEE REVERSIBLE LANE CONTROL PLAN SHEET 8 OF 11

ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
INSTALL POLE MOUNTED CABINET
RELOCATE SIGNAL HEAD

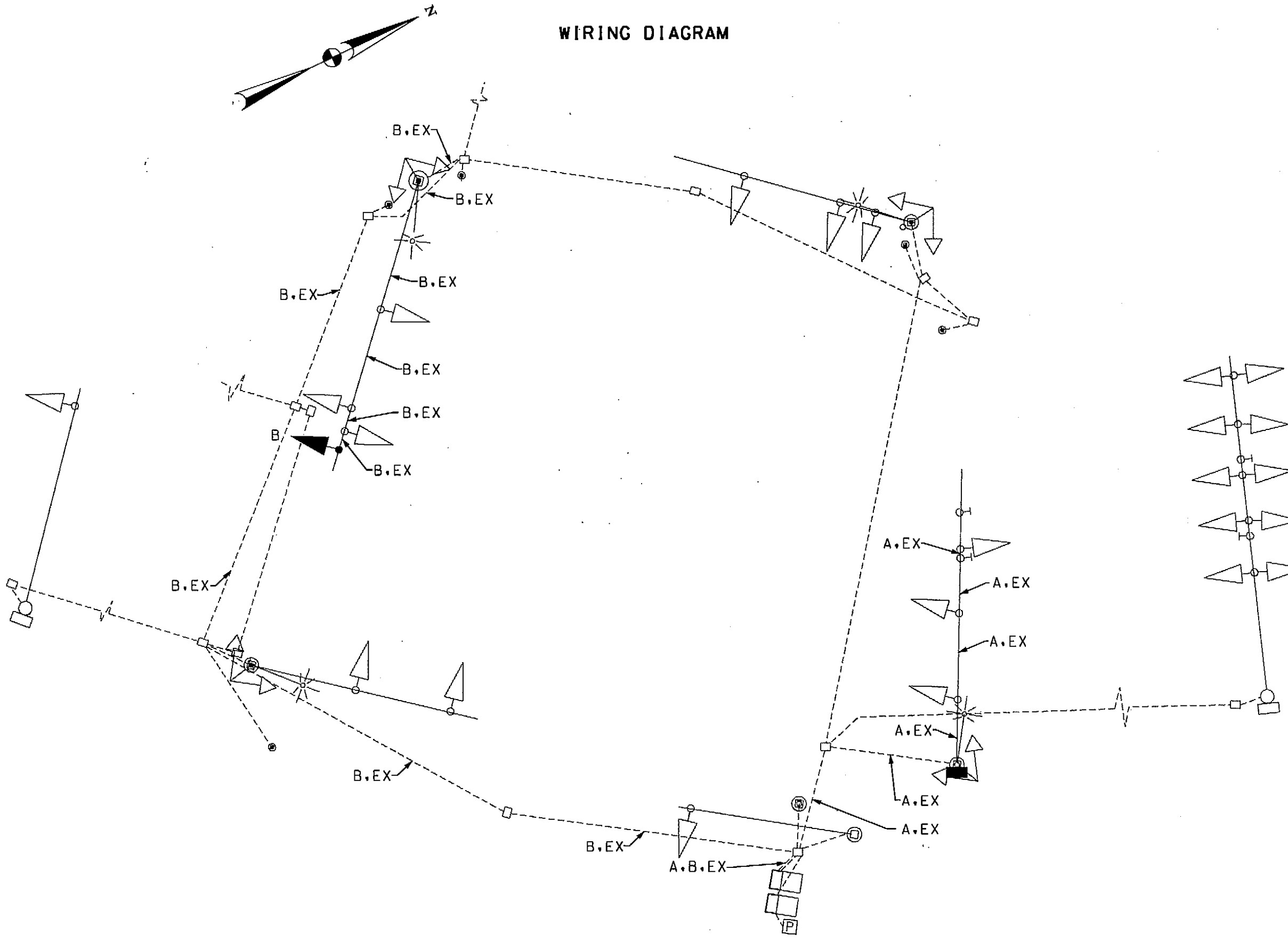
C. IF THE CABINET IS TO BE REMOVED SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE [NEW SIGNAL / SIGNAL MODIFICATIONS].

PHASE CHART



PHASE 2 & 6	-R	G	G	-R	G	G	R	R	R	R	R	R	W	W	DW	DW	
PED. CLEARANCE	-R	G	G	-R	G	G	R	R	R	R	R	R	FLDW	FLDW	DW	DW	
2 & 6 CHANGE	-R	Y	Y	-R	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW	
PHASE 4 & 7	-R	R	R	-R	R	R	G	G	G	G	G	G	DW	DW	W	DW	
PED. CLEARANCE	-R	R	R	-R	R	R	G	G	G	G	G	G	DW	DW	FLDW	FLDW	
4 & 7 CHANGE	-Y	R	R	-Y	R	R	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW	
PHASE 4 & 8 (LAG)	-G	R	R	-G	R	R	R	R	R	R	R	R	DW	DW	W	W	
4 & 8 CHANGE	-Y	R	R	-Y	R	R	R	R	R	R	R	R	DW	DW	DW	DW	
FLASHING OPERATION	FL/R	FLY	FLY	FL/R	FLY	FLR	FLY	FLY	FLY	FLY	FLY	FLY	DARK	DARK	DARK	DARK	

WIRING DIAGRAM



WIRING KEY

- A 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- B 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- EX EXISTING SIGNAL CABLE



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
COLESVILLE ROAD (US 29/MD 384) AND
GEORGIA AVENUE (MD 97/US 29)
SILVER SPRING, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE 02/14/12 CONTRACT NO. MD5475185

DESIGNED BY MAW COUNTY MONTGOMERY
DRAWN BY MAW LOGMILE 15002900.82
CHECKED BY KMP T.I.M.S. NO. K-792
F.A.P. NO. - TOD NO.

TS NO. 446 C DRAWING NO. 2 OF 2 SHEET NO. 11 OF 11

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